

Abstract

Present invention provides a diagnostic means for testing infection of adult in humans parasitized with adult *Taenia solium* and *Taenia saginata*. It was found that a hydrophobic ligand binding protein (HLBP) derived from an adult separated from tapeworms has an antigenicity. The present invention is a clinical diagnostic reagent for testing infection of adult *Taenia solium* and *Taenia saginata*, comprising, as a main ingredient, (a) a peptide containing at least residues 22-65 of residues 20-85 of any amino acid sequence of SEQ ID NOs: 1 to 4 or (b) a peptide containing an amino acid sequence of SEQ ID NO: 5. It is possible to examine the adult infection of *Taenia solium* and *Taenia saginata* by reacting the clinical diagnostic reagent with serum from a subject (human).